Day: Monday Date: 8/23/2004



PALM INTRANET

Time: 16:06:46

Inventor Information for 10/009559

Inventor Name	City	State/Country
SKOGVALL, STAFFAN	LUND	SWEDEN
Appln Info Contents Petition Info	Atty/Agent Info	Continuity Data Foreig
Search Another: Application#	or Pate	ent# Search
PCT / / Search	or PG P	UBS#
Attorney Docket #	New Andrews of the Second Seco	Search
Bar Code #	Search	

To go back use Back button on your browser toolbar.

Back to $\underline{PALM} \mid \underline{ASSIGNMENT} \mid \underline{OASIS} \mid Home page$

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1611txm

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

```
Welcome to STN International
                 Web Page URLs for STN Seminar Schedule - N. America
NEWS
NEWS
                 "Ask CAS" for self-help around the clock
NEWS
         May 12
                 EXTEND option available in structure searching
     3
                 Polymer links for the POLYLINK command completed in REGISTRY
NEWS
         May 12
                 New UPM (Update Code Maximum) field for more efficient patent
NEWS
         May 27
                 SDIs in CAplus
                 CAplus super roles and document types searchable in REGISTRY
NEWS
     6
         May 27
NEWS
      7
         Jun 28
                 Additional enzyme-catalyzed reactions added to CASREACT
NEWS
         Jun 28
                 ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG,
                 and WATER from CSA now available on STN(R)
NEWS
         Jul 12
                 BEILSTEIN enhanced with new display and select options,
                 resulting in a closer connection to BABS
NEWS 10
         Jul 30
                 BEILSTEIN on STN workshop to be held August 24 in conjunction
                 with the 228th ACS National Meeting
NEWS 11
         AUG 02
                 IFIPAT/IFIUDB/IFICDB reloaded with new search and display
                 fields
NEWS 12
         AUG 02
                 CAplus and CA patent records enhanced with European and Japan
                 Patent Office Classifications
                 STN User Update to be held August 22 in conjunction with the
NEWS 13
         AUG 02
                 228th ACS National Meeting
                 The Analysis Edition of STN Express with Discover!
         AUG 02
NEWS 14
                 (Version 7.01 for Windows) now available
NEWS 15
        AUG 04
                 Pricing for the Save Answers for SciFinder Wizard within
                 STN Express with Discover! will change September 1, 2004
NEWS EXPRESS
              JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT
              MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
              AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS
              STN Operating Hours Plus Help Desk Availability
NEWS INTER
              General Internet Information
NEWS LOGIN
              Welcome Banner and News Items
NEWS PHONE
              Direct Dial and Telecommunication Network Access to STN
NEWS WWW
              CAS World Wide Web Site (general information)
```

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 17:41:56 ON 23 AUG 2004

=> s 155106-73-3 160845-95-4 127595-43-1 134296-40-5 608-07-1 90182-92-6 112885-41-3109872-41-5 141196-99-8 THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> file reg FILE 'REGISTRY' ENTERED AT 17:44:17 ON 23 AUG 2004 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2004 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 22 AUG 2004 HIGHEST RN 730937-52-7 DICTIONARY FILE UPDATES: 22 AUG 2004 HIGHEST RN 730937-52-7

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at: http://www.cas.org/ONLINE/DBSS/registryss.html

=> s 155106-73-3 160845-95-4 127595-43-1 134296-40-5 608-07-1 90182-92-6 112885-41-3109872-41-5 141196-99-8 PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH FIELD CODE - 'AND' OPERATOR ASSUMED '55106-73-3 (W) 160845-95-' PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH FIELD CODE - 'AND' OPERATOR ASSUMED '60845-95-4(W)127595-43-' PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH FIELD CODE - 'AND' OPERATOR ASSUMED '27595-43-1 (W) 134296-40-' PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH FIELD CODE - 'AND' OPERATOR ASSUMED '34296-40-5 (W) 608-07-1' PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH FIELD CODE - 'AND' OPERATOR ASSUMED '608-07-1(W) 90182-92-6' PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH FIELD CODE - 'AND' OPERATOR ASSUMED '90182-92-6(W)112885' PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH FIELD CODE - 'AND' OPERATOR ASSUMED '112885 (W) 41' PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH FIELD CODE - 'AND' OPERATOR ASSUMED '41(W)3109872' PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH FIELD CODE - 'AND' OPERATOR ASSUMED '3109872(W)41' PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH FIELD CODE - 'AND' OPERATOR ASSUMED '41(W)5' PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH FIELD CODE - 'AND' OPERATOR ASSUMED 'W) 5 (W) 141196-99-1 155106-73-3

```
(155106-73-3/RN)
             1 160845-95-4
                  (160845-95-4/RN)
             1 127595-43-1
                  (127595-43-1/RN)
             1 134296-40-5
                  (134296-40-5/RN)
             1 608-07-1
                  (608-07-1/RN)
             1 90182-92-6
                  (90182-92-6/RN)
             9 112885
         58143 41
             0 3109872
         58143 41
       9270378 5
             1 141196-99-8
                  (141196-99-8/RN)
L1
             0 155106-73-3 160845-95-4 127595-43-1 134296-40-5 608-07-1 90182-9
               2-6 112885-41-3109872-41-5 141196-99-8
                  (155106-73-3 (W) 160845-95-4 (W) 127595-43-1 (W) 134296-40-5 (W) 608-0
                  7-1(W)90182-92-6(W)112885(W)41(W)3109872(W)41(W)5(W)141196-99-
=> s 155106-73-3 or 160845-95-4 or 127595-43-1 or 134296-40-5 or 608-07-1 or
90182-92-6 or 112885-41-3 or 109872-41-5 or 141196-99-8
             1 155106-73-3
                  (155106-73-3/RN)
             1 160845-95-4
                  (160845-95-4/RN)
             1 127595-43-1
                  (127595-43-1/RN)
             1 134296-40-5
                  (134296-40-5/RN)
             1 608-07-1
                  (608-07-1/RN)
             1 90182-92-6
                  (90182-92-6/RN)
             1 112885-41-3
                  (112885-41-3/RN)
             1 109872-41-5
                  (109872-41-5/RN)
             1 141196-99-8
                  (141196-99-8/RN)
L2
             9 155106-73-3 OR 160845-95-4 OR 127595-43-1 OR 134296-40-5 OR
               608-07-1 OR 90182-92-6 OR 112885-41-3 OR 109872-41-5 OR 141196-9
               9-8
=> file caplus
```

FILE 'CAPLUS' ENTERED AT 17:45:36 ON 23 AUG 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the

American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 23 Aug 2004 VOL 141 ISS 9 FILE LAST UPDATED: 22 Aug 2004 (20040822/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 12 and asthma

1629 L2

24813 ASTHMA

L3 4 L2 AND ASTHMA

=> d 1-4 cbib pi hitstr abs

L3 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

2004:309877 Document No. 140:333034 Substitution variant of the 5-HT4 receptor insensitive to serotonin and the gene for it and the treatment of neurodegenerative disease. Bockaert, Joel; Claeysen, Sylvie; Dumuis Kervabon, Aline; Sebben Homburger, Michele; Joubert, Lara (Centre National de la Recherche Scientifique CNRS, Fr.). Fr. Demande FR 2845604 A1 20040416, 48 pp. (French). CODEN: FRXXBL. APPLICATION: FR 2002-12614 20021010.

	PA	FENT	NO.			KIN	D	DATE		1	APPL	ICAT	ION	NO.		\mathbf{D}_{i}	ATE	
							-									_		
ΡI	FR	2845	604			A 1		2004	0416		FR 2	002-	1261	4		2	0021	010
	WO	2004	0334	98		A2		2004	0422	1	WO 2	003-	FR30	02		2	0031	010
	WO	2004	0334	98		A 3		2004	0722									
		W:	ΑE,	AG,	ΑL,	AM,	ΑT,	ΑU,	AZ,	ΒA,	BB,	ВG,	BR,	BY,	ΒZ,	CA,	CH,	CN,
			CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,	GE,
			GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KΡ,	KR,	KZ,	LC,	LK,
			LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NΙ,	NO,	NZ,
			OM,	PG,	PH,	PL,	PΤ,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SY,	TJ,	TM,
			TN,	TR,	TT,	TZ,	UA,	ŪĠ,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	ZW,	AM,	ΑZ,
			BY,	KG,	KΖ,	MD												
		RW:	GH,	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	ΑT,	BE,	BG,
			CH,	CY,	CZ,	DE,	DK,	EE,	ES,	FI,	FR,	GB,	GR,	HU,	ΙE,	IT,	LU,	MC,
			ΝL,	PT,	RO,	SE,	SI,	SK,	TR,	BF,	ВJ,	CF,	CG,	CI,	CM,	GΑ,	GN,	GQ,
			GW,	ML,	MR,	NE,	SN,	TD,	TG									
70			40 -	D T 1	477													

IT 134296-40-5, BIMU 8

RL: BSU (Biological study, unclassified); BIOL (Biological study) (5-HT4 receptor variants agonized by; substitution variant of 5-HT4 receptor insensitive to serotonin and gene for it and treatment of neurodegenerative disease)

RN 134296-40-5 CAPLUS

CN 1H-Benzimidazole-1-carboxamide, 2,3-dihydro-N-[(3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl]-3-(1-methylethyl)-2-oxo-, monohydrochloride (9CI) (CA INDEX NAME)

Relative stereochemistry.

HCl

- AB A substitution variant of the 5-HT4 serotonin receptor that is insensitive to serotonin but that can be activated by synthetic serotonin agonists is described. The gene for the receptor variant may be useful in the treatment of neurodegenerative disease associated with low levels of cAMP. The substitution in 100-aspartic acid → alanine affecting the structure of transmembrane domain III. Pharmacol. of the variant is described.
- L3 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
 2001:691768 Document No. 135:242149 Preparation of substituted
 β-carbolines as IκB kinase inhibitors. Ritzeler, Olaf; Castro,
 Alfredo; Grenier, Louis; Soucy, Francois (Aventis Pharma Deutschland
 G.m.b.H., Germany). Eur. Pat. Appl. EP 1134221 A1 20010919, 47 pp.
 DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL,
 SE, MC, PT, IE, SI, LT, LV, FI, RO. (English). CODEN: EPXXDW.
 APPLICATION: EP 2000-105514 20000315.

	PAT	CENT :	NO.		200	KINI	D	DATE		•	APPI	ICAT	ION 1	NO.		D	ATE	
ΡI	EP	1134	221			A1	_	2001	0919		EP 2	2000-	1055	14		2	0000	315
		R:							FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
			•	•	•	LV,	•									_		
	WO	2001										2001-1						
		W:	ΑE,	AG,	ΑL,	AM,	ΑT,	AU,	ΑZ,	BA,	BB,	ВG,	BR,	BY,	ΒZ,	CA,	CH,	CN,
			CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EE,	ES,	FI,	GB,	GD,	GE,	GH,	GM,	HR,
			HU,	ID,	IL,	IN,	IS,	JP,	KΕ,	KG,	KΡ,	KR,	KΖ,	LC,	LK,	LR,	LS,	LT,
												MZ,						
			SD,	SE,	SG,	SI,	SK,	SL,	ТJ,	TM,	TR,	TT,	TZ,	UΑ,	ŬĠ,	UΖ,	VN,	YU,
			ZA,	ZW,	AM,	AZ,	BY,	KG,	ΚZ,	MD,	RU,	ТJ,	TM					
		RW:	GH,	GM,	KΕ,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZW,	ΑT,	ΒE,	CH,	CY,
			DE,	DK,	ES,	FI,	FR,	GB,	GR,	ΙE,	IT,	LU,	MC,	NL,	PT,	SE,	TR,	BF,
			ВJ,	CF,	CG,	CI,	CM,	GA,	GN,	GW,	ML,	MR,	NE,	SN,	TD,	TG		
	BR	2001	0091	61		A		2002	1126		BR 2	2001-	9161			2	0010	228
	EP	1268	477			A1		2003	0102		EP 2	001-	9097	99		2	0010	228
		R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
			IE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	AL,	TR						
	JP	2003	5273	94		T2		2003	0916		JP 2	001-	56773	39		2	0010	228
	$\mathbf{E}\mathbf{E}$	2002	0052	3		Α		2004	0415		EE 2	002-	523			2	0010	228
	NZ	5213	86			Α		2004	0625		NZ 2	001-	52138	36		2	0010	228
	US	2002	0990	68		A1		2002	0725		US 2	001-	31278	35		2	0010	315
	US	6627	637			B2		2003	0930									
	ИО	2002	0043	38		Α		2002	1105		NO 2	002-4	4338			2	0020	911
	zA	2002	0073	24		A		2003	0707		ZA 2	002-	7324			20	0020	912
	US	2004	1107	59		A1		2004	0610		US 2	003-6	5279	78		20	0030	728

IT 608-07-1, 5-Methoxytryptamine

RL: RCT (Reactant); RACT (Reactant or reagent) (preparation of substituted β -carbolines as IkB kinase inhibitors)

RN 608-07-1 CAPLUS

CN 1H-Indole-3-ethanamine, 5-methoxy- (9CI) (CA INDEX NAME)

GI

The title compds. [I; B6-B9 = C, N (no more than 2 N atoms at the same time); R1-R4, R8 = H, halo, OH, etc.; R5 = H, (un)substituted alkyl, etc.; R6, R7 = H, halo, OH, etc.], useful for prophylaxis and therapy of disorders in which increased activity of NFkB is involved such as asthma, osteoarthritis, rheumatoid arthritis, Alzheimer's disease, carcinomatous disorders and cardiac infarct, were prepared Thus, treating norharmane with Br2 in THF afforded 7-bromo- β -carboline which showed IC50 of 0.4 μ M against IkB kinase.

L3 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

2000:772451 Document No. 133:329581 Serotoninergic agonists and antagonists for treatment of bronchoconstriction. Skogvall, Staffan (Respiratorius AB, Swed.). PCT Int. Appl. WO 2000064441 A2 20001102, 28 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 2000-SE819 20000428. PRIORITY: SE 1999-1531 19990428; US 1999-PV131355 19990428; SE 1999-1906 19990526; US 1999-PV139632 19990617; US 1999-PV139633 19990617.

	PA	TENT	NO.			KIN	D	DATE			APPL	ICAT	ION 1	. OI		D.	ATE	
							-									-		
ΡI	WO	2000	0644	41		A2		2000	1102		WO 2	000-	SE81:	9		2	0000	428
	WO	2000	0644	41		A3		2001	0614									
		W:	AE.	AG.	AL.	AM.	AT.	AT.	AU.	AZ.	BA.	BB.	BG.	BR.	BY.	CA.	CH.	CN.

```
CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EE, EE, ES, FI, FI, GB,
        GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR,
        KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO,
        NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT,
        TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU,
        TJ, TM
    RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
        DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
        CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
                        20020123 EP 2000-937417
                                                               20000428
EP 1173168
                    A2
       AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
        IE, SI, LT, LV, FI, RO
                           20021210
                                       JP 2000-613432
                                                               20000428
JP 2002542287
                     T2
                                       WO 2000-SE1267
                                                               20000615
WO 2000076500
                     A2
                           20001221
                     A3
                           20010712
WO 2000076500
       AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN,
    W:
        CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EE, EE, ES, FI, FI, GB,
        GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR,
        KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
        NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR,
        TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD,
        RU, TJ, TM
    RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
        DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
        CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
AU 2000058619
                           20010102
                                     AU 2000-58619
                                                               20000615
                     A5
                                      EP 2000-944534
                           20020313
                                                               20000615
EP 1185263
                     A2
       AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
        IE, SI, LT, LV, FI, RO
                                       JP 2001-502833
JP 2003501462
                     T2
                           20030114
                                                               20000615
                                                               20011029
US 2002173505
                     A1
                           20021121
                                       US 2001-984329
608-07-1, 5-Methoxytryptamine 90182-92-6, Zacopride
109872-41-5, BRL 24924 112885-41-3, Mosapride
127595-43-1, BIMU 1 134296-40-5, BIMU 8
141196-99-8, SC-53116 155106-73-3, VB 20B7
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES
(Uses)
   (serotoninergic agonists and antagonists for treatment of
  bronchoconstriction-related disorders)
608-07-1 CAPLUS
```

$$\begin{array}{c} \text{H} \\ \text{N} \\ \text{CH}_2\text{-CH}_2\text{-NH}_2 \end{array}$$

1H-Indole-3-ethanamine, 5-methoxy- (9CI)

RN 90182-92-6 CAPLUS
CN Benzamide, 4-amino-N-1-azabicyclo[2.2.2]oct-3-yl-5-chloro-2-methoxy- (9CI)
(CA INDEX NAME)

(CA INDEX NAME)

IT

RN

CN

RN 109872-41-5 CAPLUS

CN Benzamide, 4-amino-N-(1R,4S,5R)-1-azabicyclo[3.3.1]non-4-yl-5-chloro-2-methoxy-, monohydrochloride, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

● HCl

RN 112885-41-3 CAPLUS

CN Benzamide, 4-amino-5-chloro-2-ethoxy-N-[[4-[(4-fluorophenyl)methyl]-2-morpholinyl]methyl]- (9CI) (CA INDEX NAME)

RN 127595-43-1 CAPLUS

CN 1H-Benzimidazole-1-carboxamide, 3-ethyl-2,3-dihydro-N-[(3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl]-2-oxo-, monohydrochloride (9CI) (CA INDEX NAME)

Relative stereochemistry.

● HCl

RN 134296-40-5 CAPLUS

CN 1H-Benzimidazole-1-carboxamide, 2,3-dihydro-N-[(3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl]-3-(1-methylethyl)-2-oxo-, monohydrochloride (9CI) (CA INDEX NAME)

Relative stereochemistry.

● HCl

RN 141196-99-8 CAPLUS

CN Benzamide, 4-amino-5-chloro-N-[[(1S,7aS)-hexahydro-1H-pyrrolizin-1-yl]methyl]-2-methoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 155106-73-3 CAPLUS

CN Benzothiazole, 2-[4-(1,3-benzodioxol-5-ylmethyl)-1-piperazinyl]- (9CI) (CA INDEX NAME)

The present invention relates to a compound having agonist activity to the 5-HT4 receptor or antagonist activity to the 5-HT2a receptor and manufacture of a medicament for prophylactic or therapeutic treatment of disorders involving bronchoconstriction of a human or animal, such as asthma, emphysema, chronic bronchitis, chronic obstructive pulmonary disease, depression, anorectic or bulimic eating disorders, anxiety or various psychotic conditions including schizophrenia. Compds. of the present invention have the capacity of reducing the pathol. bronchoconstriction by at least 30%, preferably at least 60%, and most preferably at least 90%.

L3 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

1999:710440 Document No. 132:88550 The effects of 5-HT on cholinergic contraction in human airways in vitro. Dupont, L. J.; Pype, J. L.; Demedts, M. G.; De Leyn, P.; Deneffe, G.; Verleden, G. M. (Pulmonary Pharmacology Unit, Laboratory of Pneumology and, University Hospital Gasthuisberg, Katholieke Universiteit Leuven, Belg.). European Respiratory Journal, 14(3), 642-649 (English) 1999. CODEN: ERJOEI. ISSN: 0903-1936. Publisher: Munksgaard International Publishers Ltd..

608-07-1, 5-Methoxytryptamine
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)

(5-HT facilitation formation of cholinergic contraction in human airways in vitro and 5-HT3 and 5-HT4 receptor mediation thereof)

RN 608-07-1 CAPLUS

TT

CN 1H-Indole-3-ethanamine, 5-methoxy- (9CI) (CA INDEX NAME)

$$\begin{array}{c} \text{H} \\ \text{N} \\ \text{CH}_2\text{-}\text{CH}_2\text{-}\text{NH}_2 \end{array}$$

AB Inhaled 5-hydroxytryptamine (5-HT) causes bronchoconstriction in asthmatics, and 5-HT plasma levels are elevated in asthma.

Elec. field stimulation (EFS) of human airways, in vitro, evokes cholinergic contraction mediated by the release of acetylcholine (Ach) from postganglionic cholinergic nerves. The present study investigates whether selective 5-HT agonists and antagonists can modulate EFS-induced cholinergic contraction in human airways in vitro. Human airways, obtained from resections for bronchial carcinoma or organ transplant

donors, were suspended under 2-q tension, between two platinum wire electrodes, in carbogenated Krebs solution at 37° and EFS was applied (1-32 Hz, 50 V, 0.5 ms, 15 s every 4 min) to elicit cholinergic contractions. 5-HT (10 μ M-0.3 mM) produced frequency- and concentration-dependent facilitation of cholinergic contraction, but did not displace the concentration/response curve to Ach. Tropisetron (1 μM), a 5-HT3 and 5-HT4 antagonist, completely blocked the facilitatory effect of 5-HT (100 μM), whereas both ondansetron (1 μM) and GR 125478D (1 μM), a selective 5-HT3 and 5-HT4 antagonist, resp., also attenuated the 5-HT-induced enhancement of cholinergic contraction. This facilitatory effect of 5-HT was partially mimicked by both selective 5-HT3 (2-methyl-5-HT) and 5-HT4 (RS 67333 and 5-methoxytryptamine) agonists. Fluoxetine (10 μ M), a 5-HT uptake inhibitor, had no effect on the 5-HT (10-100 μM) induced potentiation of cholinergic contraction. These findings suggest that 5-HT facilitates cholinergic contraction in human airways in vitro through stimulation of both prejunctional 5-HT3 and 5-HT4 receptors. This may implicate a role of 5-HT in asthma.

=> file reg FILE 'REGISTRY' ENTERED AT 17:49:28 ON 23 AUG 2004 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2004 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 22 AUG 2004 HIGHEST RN 730937-52-7 DICTIONARY FILE UPDATES: 22 AUG 2004 HIGHEST RN 730937-52-7

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at: http://www.cas.org/ONLINE/DBSS/registryss.html

=> d l1 1-9 hitstr pi L1 HAS NO ANSWERS

L1 0 SEA FILE=REGISTRY 155106-73-3 160845-95-4 127595-43-1 134296-40
-5 608-07-1 90182-92-6 112885-41-3109872-41-5 141196-99-8

=> d his

(FILE 'HOME' ENTERED AT 17:41:56 ON 23 AUG 2004)

FILE 'REGISTRY' ENTERED AT 17:44:17 ON 23 AUG 2004
L1 0 S 155106-73-3 160845-95-4 127595-43-1 134296-40-5 608-07-1 9018
L2 9 S 155106-73-3 OR 160845-95-4 OR 127595-43-1 OR 134296-40-5 OR 6

FILE 'CAPLUS' ENTERED AT 17:45:36 ON 23 AUG 2004 L3 4 S L2 AND ASTHMA FILE 'REGISTRY' ENTERED AT 17:49:28 ON 23 AUG 2004

```
=> d 12 1-9 hitstr pi
'HITSTR' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
'PI' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
```

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN

SAM - Index Name, MF, and structure - no RN FIDE - All substance data, except sequence data

IDE - FIDE, but only 50 names SQIDE - IDE, plus sequence data

SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used

SQD - Protein sequence data, includes RN

SQD3 - Same as SQD, but 3-letter amino acid codes are used

SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties EPROP - Table of experimental properties

PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract

APPS -- Application and Priority Information

BIB -- CA Accession Number, plus Bibliographic Data

CAN -- CA Accession Number

CBIB -- CA Accession Number, plus Bibliographic Data (compressed)

IND -- Index Data

IPC -- International Patent Classification

PATS -- PI, SO

STD -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels IBIB -- BIB, indented, with text labels

ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)

OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.

HELP FORMATS -- To see detailed descriptions of the predefined formats. ENTER DISPLAY FORMAT (IDE):ide pi

- L2 ANSWER 1 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN
- RN 160845-95-4 REGISTRY
- CN 1-Propanone, 1-(4-amino-5-chloro-2-methoxyphenyl)-3-(1-butyl-4-piperidinyl)- (9CI) (CA INDEX NAME)
- FS 3D CONCORD
- MF C19 H29 Cl N2 O2
- CI COM
- SR CA
- LC STN Files: CA, CAPLUS, IMSRESEARCH, MEDLINE, TOXCENTER, USPATFULL
- DT.CA CAplus document type: Journal; Patent
- RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
- RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); RACT (Reactant or reagent)
- RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); PREP (Preparation)

$$CH_2-CH_2-CH_2$$

- **PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**
 - 4 REFERENCES IN FILE CA (1907 TO DATE)
 - 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 - 4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

	PAT	CENT 1	NO.		KI	ND	DATE			A)	PPLI	CATI	ои ис	ο.	DATE			
PI	WO	2002	03814	42	A:	2	2002	0516		Mo	20	01-U	5430	16	2001	1108		
	WO	2002	0381	42	A.	3	2003	0814										
		W:	ΑĖ,	AG,	AL,	AM,	AT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	ΒZ,	CA,	CH,	CN,
			CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EE,	ES,	FI,	GB,	GD,	GE,	GH,	GM,	HR,
			HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	KZ,	LC,	LK,	LR,	LS,	LT,
			LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NO,	NZ,	PL,	PT,	RO,	RU,
			SD,	SE,	SG,	SI,	SK,	SL,	ТJ,	TM,	TR,	TT,	TZ,	UA,	UG,	US,	UΖ,	VN,
			YU,	ZA,	ZW,	AM,	ΑZ,	BY,	KG,	ΚZ,	MD,	RU,	ТJ,	\mathbf{TM}				
		RW:	GH,	GM,	KΕ,	LS,	MW,	ΜZ,	SD,	SL,	SZ,	TZ,	UG,	ZW,	AT,	ΒE,	CH,	CY,
			DE,	DK,	ES,	FI,	FR,	GB,	GR,	ΙE,	IT,	LU,	MC,	NL,	PT,	SE,	TR,	BF,
			ВJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,	ΝE,	SN,	TD,	TG	
	AU	·		A.	5	2002	0521		Α	J 20	02-3	0423		2001	1108			
	US	U 2002030423 S 2002173511		11	A:	1.	2002	1121		U	5 20	01-9	8646	9	2001	1108		
	US	2002	1735	49	A:	1	2002	1121		U	3 20	01-9	8647	0	2001	1108		

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PΙ	WO 9427965	A1	19941208	WO 1994-US5718	19940525

```
W: AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, HU,
       JP, KP, KR, KZ, LK, LU, LV, MG, MN, MW, NL, NO, NZ, PL, PT, RO,
       RU, SD, SE, SK, UA, UZ, VN
    RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,
       BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG
                                    CA 1994-2163747 19940525
                      19941208
CA 2163747
                 AA
                                     AU 1994-69548
                      19941220
                                                      19940525
AU 9469548
                 A1
                      19970717
AU 680004
                 B2
BR 9406724
                      19960206
                                     BR 1994-6724
                                                      19940525
                 Α
EP 700383
                                     EP 1994-918070
                                                      19940525
                 A1
                      19960313
EP 700383
                      19980923
                 В1
   R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE
                                     CN 1994-192219
                                                      19940525
CN 1124485
                      19960612
                Α
CN 1058262
                 В
                      20001108
                                     JP 1994-500836
                                                      19940525
JP 08510743
                 T2
                      19961112
HU 74870
                                     HU 1995-3357
                                                      19940525
                 A2
                      19970228
                                     IL 1994-109776
                                                      19940525
IL 109776
                 A1
                      19980310
AT 171446
                 E
                                     AT 1994-918070
                                                      19940525
                      19981015
ES 2121210
                 Т3
                      19981116
                                    ES 1994-918070
                                                      19940525
PL 180336
                                    PL 1994-311723
                                                      19940525
                 B1
                      20010131
                 C2
                                    RU 1995-122587
                                                      19940525
RU 2170228
                      20010710
CZ 289752
                 B6
                                    CZ 1995-2780
                                                      19940525
                      20020313
US 5763458
                      19980609
                                    US 1995-456168
                                                      19950531
                 Α
FI 9505660
                Α
                      19951124
                                    FI 1995-5660
                                                      19951124
NO 9504761
                Α
                      19960126
                                    NO 1995-4761
                                                      19951124
```

REFERENCE 3

```
ANSWER 2 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN
L2
     155106-73-3 REGISTRY
     Benzothiazole, 2-[4-(1,3-benzodioxol-5-ylmethyl)-1-piperazinyl]- (9CI)
CN
     (CA INDEX NAME)
OTHER NAMES:
     2-[1-(4-Piperonyl)piperazinyl]benzothiazole
     VB 20B7
FS
     3D CONCORD
MF
     C19 H19 N3 O2 S
SR
                 ADISINSIGHT, BIOSIS, CA, CAPLUS, CHEMCATS, IMSRESEARCH,
LC
       MEDLINE, PHAR, PROUSDDR, USPATFULL
DT.CA
       CAplus document type: Journal; Patent
       Roles from patents: BIOL (Biological study); PREP (Preparation); USES
RL.P
      Roles from non-patents: BIOL (Biological study); PREP (Preparation);
RL.NP
       USES (Uses)
```

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 11 REFERENCES IN FILE CA (1907 TO DATE)
- 11 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

REFERENCE 2

	PA	TENT I	NO.		KI	ND.	DATE			A.	PPLI	CATI	ON NC	Э.	DATE			
										-								
PΙ	WO	2002	0381	42	A	2	2002	0516		W) 20	01-U	S430	16	2001	1108		
	WO	2002	0381	42	A.	3	2003	0814										
		W:	ΑE,	AG,	AL,	AM,	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BY,	ΒZ,	CA,	CH,	CN,
			CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EE,	ES,	FI,	GB,	GD,	GE,	GH,	GM,	HR,
			HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	ΚP,	KR,	ΚZ,	LC,	LK,	LR,	LS,	LT,
			LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NO,	NZ,	PL,	PT,	RO,	RU,
			SD,	SE,	SG,	SI,	SK,	SL,	TJ,	TM,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VN,
			YU,	ZA,	ZW,	AM,	ΑZ,	BY,	KG,	ΚZ,	MD,	RU,	ТJ,	TM				
		RW:	GH,	GM,	KE,	LS,	MW,	ΜZ,	SD,	SL,	SZ,	TZ,	UG,	ZW,	ΑT,	BE,	CH,	CY,
			DE,	DK,	ES,	FI,	FR,	GB,	GR,	ΙE,	IT,	LU,	MC,	NL,	PT,	SE,	TR,	BF,
			ВJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,	NE,	SN,	TD,	TG	
	AU	2002	0304	23	A!	5	2002	0521		A	J 20	02-3	0423		2001	1108		
	AU 2002030423 US 2002173511		11	A:	1	2002	1121		U:	S 20	01-9	8646	9	2001	1108			
	US	2002	1735	49	A:	1	2002	1121		U	S 20	01-9	8647	0	2001	1108		

	PATENT	NO.		KI	ND	DATE			Α	PPLI	CATI	ON NO	Э.	DATE			
									_								
ΡI	WO 200	20361	13	Α	1	2002	0510		W	0 20	01-S	E237	2	2001	1030		
	W:	ΑE,	AG,	AL,	AM,	ΑT,	AT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,
		CN,	CO,	CR,	CU,	CZ,	CZ,	DE,	DE,	DK,	DK,	DM,	DZ,	EC,	EE,	EE,	ES,
		FI,	FI,	GB,	GD,	GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	ıs,	JP,	KE,	KG,
		KP,	KR,	ΚZ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,
		MX,	MZ,	NO,	NZ,	PH,	PL,	PT,	RO,	RU,	SD,	SE,	SG,	SI,	SK,	SK,	SL,
		ТJ,	TM,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VN,	ΥU,	ZA,	ZW,	AM,	ΑZ,	ΒY,
		KG,	ΚZ,	MD,	RU												
	RW	: GH,	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZW,	ΑT,	BE,	CH,	CY,
		DE,	DK,	ES,	FΙ,	FR,	GB,	GR,	IE,	IT,	LU,	MC,	NL,	PT,	SE,	TR,	BF,
		ВJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,	ΝĒ,	SN,	TD,	TG	
	AU 200	20128	88	A	5	2002	0515		A	J 20	02-1	2888		2001	1030		

```
REFERENCE 4
```

```
PATENT NO.
                                      APPLICATION NO. DATE
                   KIND DATE
    WO 2002036114 A1 20020510 WO 2001-SE2373 20011030
PΙ
        W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,
            CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, EE, ES,
            FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,
            KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
            MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL,
            TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY,
            KG, KZ, MD, RU
        RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
            DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
            BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
    AU 2002011176 A5 20020515 AU 2002-11176 20011030
REFERENCE 5
```

	PA.	TENT I	NO.		KI	ND 1	DATE			A)	PPLI	CATI	и ис	ο.	DATE			
ΡI	WO	2001	0959	02	A:	1 :	2001	1220		W	20	00-S	E261	2	2000	1220		
		W :	ΑE,	AG,	AL,	AM,	AT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	ΒZ,	CA,	CH,	CN,
															GE,			
			HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	ΚP,	KR,	KZ,	LC,	LK,	LR,	LS,	LT,
			LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NO,	NZ,	$_{ m PL}$			
		RW:	GH,	GM,	KΕ,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZW,	ΑT,	ΒE,	CH,	CY,
			DE,	DK,	ES,	FΙ,	FR,	GB,	GR,	ΙE,	IT,	LU,	MC,	NL,	PT,	SE,	TR,	BF,
			ВJ,	CF,	CG,	CI,	CM,	GA,	GN,	GW,	ML,	MR,	NΕ,	SN,	TD,	TG		
	EP	1302	204		A	1 :	2003	0416		\mathbf{E}^{1}	P 20	01-6	1010	8	2001	1015		
		R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
			ΙE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	AL,	TR						

	PATENT N	10.	KIND	DATE		AP	PLIC	CATIO	N NO). I	DATE			
ΡI	WO 20000		A2 A3	200012		WO	200	00-SE	126	7 :	20000	0615		
	₩:	AE, AG, CR, CU, GD, GE, KZ, LC, NO, NZ, TT, TZ, RU, TJ,	CZ, CZ GH, GM LK, LR PL, PT UA, UG	, DE, D , HR, H , LS, L , RO, R	E, DK, U, ID, T, LU, U, SD,	DK, IL, LV, SE,	DM, IN, MA, SG,	DZ, IS, MD, SI,	EE, JP, MG, SK,	EE, KE, MK, SK,	ES, KG, MN, SL,	FI, KP, MW, TJ,	FI, KR, MX, TM,	GB, KR, MZ, TR,
	WO 20000	DE, DK, CF, CG, 064441	ES, FI CI, CM A2	, FR, G , GA, G 200011	B, GR, N, GW, 02	IE, ML,	IT, MR,	LU, NE,	MC, SN,	NL, TD,	PT, TG	SE,		
		AE, AG, CR, CU, GD, GE, KZ, LC, NZ, PL, TZ, UA, TJ, TM	CZ, CZ GH, GM LK, LR PT, RO UG, US	, DE, D , HR, H , LS, L , RU, S , UZ, V	T, AU, E, DK, U, ID, T, LU, SE, N, YU,	DK, IL, LV, SG, ZA,	DM, IN, MA, SI, ZW,	DZ, IS, MD, SK, AM,	EE, JP, MG, SK, AZ,	EE, KE, MK, SL, BY,	ES, KG, MN, TJ, KG,	FI, KP, MW, TM, KZ,	FI, KR, MX, TR, MD,	GB, KR, NO, TT, RU,
	RW:	GH, GM,	KE, LS	, MW, S	υ, SL,	54,	ıΔ,	υĠ,	ΔW,	ΑΙ,	ъъ,	Cn,	CI,	, פע

```
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
            CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
                                    AU 2000-58619
                                                         20000615
     AU 2000058619
                     A5
                          20010102
                                        EP 2000-944534
     EP 1185263
                      A2
                          20020313
                                                         20000615
        R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO
                          20030114
                                        JP 2001-502833
                                                         20000615
     JP 2003501462
                     T2
REFERENCE 7
                     KIND DATE
                                         APPLICATION NO. DATE
     PATENT NO.
                          -----
                                        _____
     WO 2000-SE819
                                                         20000428
                          20001102
PΙ
     WO 2000064441
                   A3
                     A2
                          20010614
     WO 2000064441
        W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN,
            CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EE, EE, ES, FI, FI, GB,
            GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR,
            KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO,
            NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT,
            TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU,
            TJ, TM
        RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
            DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
            CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
                     A2 20020123 EP 2000-937417 20000428
        R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO
                    T2 20021210
                                         JP 2000-613432
     JP 2002542287
                                                         20000428
     WO 2000076500
                     A2
                          20001221
                                         WO 2000-SE1267
                                                         20000615
                     A3
     WO 2000076500
                          20010712
            AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN,
            CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EE, EE, ES, FI, FI, GB,
            GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR,
            KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
            NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR,
            TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD,
            RU, TJ, TM
        RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
            DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
            CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
                    A5 20010102
                                    AU 2000-58619 20000615
EP 2000-944534 20000615
    AU 2000058619
                     A2
                          20020313
     EP 1185263
            AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO
     JP 2003501462
                     T2
                          20030114
                                        JP 2001-502833
                                                         20000615
     US 2002173505
                          20021121
                                        US 2001-984329
                     Α1
                                                         20011029
REFERENCE 8
REFERENCE
REFERENCE 10
     PATENT NO.
                    KIND DATE
                                       APPLICATION NO. DATE
                    ----
     -----
                                        -----
    WO 9420494 A1 19940915 WO 1994-ES21
                                                     19940303
ΡI
        W: AT, AU, BB, BG, BR, BY, CA, CH, CZ, DE, DK, ES, FI, GB, HU, JP,
            KP, KR, KZ, LK, LU, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD,
```

SE, SK, UA, US, UZ, VN RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG ES 1993-493 19941216 ES 2062940 A1 ES 2062940 В1 19950616 AU 1994-62085 AU 9462085 19940926 19940303 A1 ZA 9401673 19941012 ZA 1994-1673 19940410 Α

L2 ANSWER 3 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN

RN 141196-99-8 REGISTRY

CN Benzamide, 4-amino-5-chloro-N-[[(1S,7aS)-hexahydro-1H-pyrrolizin-1-yl]methyl]-2-methoxy- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzamide, 4-amino-5-chloro-N-[(hexahydro-1H-pyrrolizin-1-yl)methyl]-2-methoxy-, (1S-cis)-

OTHER NAMES:

CN SC 53116

FS STEREOSEARCH

MF C16 H22 Cl N3 O2

SR CA

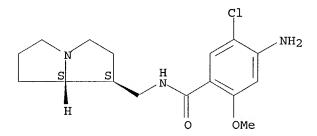
LC STN Files: ADISINSIGHT, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAPLUS, EMBASE, MEDLINE, PHAR, PROUSDDR, TOXCENTER, USPATFULL (*File contains numerically searchable property data)

DT.CA CAplus document type: Journal; Patent

RL.P Roles from patents: BIOL (Biological study); USES (Uses)

RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

19 REFERENCES IN FILE CA (1907 TO DATE)

19 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	US 2004092511	A1	20040513	US 2003-702688	20031106

REFERENCE 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

```
20020516
                                         WO 2001-US43016 20011108
    WO 2002038142
                      A2
ΡI
                     A3
                           20030814
    WO 2002038142
        W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
            CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
            HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
            LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
            SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
            YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
        RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
            DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
            BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
                                    AU 2002-30423
                     A5 20020521
    AU 2002030423
                                         US 2001-986469
                                                          20011108
    US 2002173511
                      A1
                           20021121
                                         US 2001-986470
                                                          20011108
    US 2002173549
                      A1
                           20021121
REFERENCE 4
    PATENT NO.
                  KIND DATE
                                        APPLICATION NO. DATE
     ______
                                         WO 2002036113 A1 20020510
                                        WO 2001-SE2372 20011030
PI
        W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,
            CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, EE, ES,
            FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,
            KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
            MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL,
            TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY,
            KG, KZ, MD, RU
        RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
            DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
            BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
                                        AU 2002-12888 20011030
                    A5 20020515
    AU 2002012888
REFERENCE 5
                                         APPLICATION NO. DATE
                     KIND DATE
                    ____
                                         -----
     _____
    WO 2002036114 A1 20020510
                                         WO 2001-SE2373 20011030
        W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,
            CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, EE, ES,
            FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,
            KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
            MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL,
            TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY,
            KG, KZ, MD, RU
        RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
            DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
            BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
                                         AU 2002-11176
                    A5
                           20020515
                                                          20011030
    AU 2002011176
REFERENCE 6
    PATENT NO. KIND DATE
                                         APPLICATION NO. DATE
    WO 2001095903 A1 20011220
                                         _____
                                      WO 2000-SE2613 20001220
PΙ
        W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
            CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
            HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL
        RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
```

BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
EP 1302204 A1 20030416 EP 2001-610108 20011015
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

REFERENCE 7

PATENT NO. KIND DATE APPLICATION NO. DATE

WO 2001095902 Al 20011220 WO 2000-SE2612 20001220

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

EP 1302204 Al 20030416 EP 2001-610108 20011015

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

REFERENCE 8

REFERENCE 9

	PA	CENT	NO.		KI:	ND	DATE			A	PPLI	CATI	ON N	0.	DATE			
PI	WO	2000	0765	00	A	2	2000	1221		W	0 20	00-S	E126	7	2000	0615		
	WO	2000	0765	00	Α	3	2001	0712										
		W:	ΑE,	AG,	AL,	AM,	ΑT,	AT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	CA,	CH,	CN,
			CR,	CU,	CZ,	CZ,	DE,	DE,	DK,	DK,	DM,	DZ,	EE,	EE,	ES,	FI,	FI,	GB,
			GD,	GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KΡ,	KR,	KR,
			KZ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,
			NO,	NZ,	PL,	PT,	RO,	RU,	SD,	SE,	SG,	SI,	SK,	SK,	SL,	ТJ,	TM,	TR,
			TT,	TZ,	UA,	UG,	US,	UZ,	VN,	YU,	ZA,	ZW,	AM,	AZ,	BY,	KG,	KZ,	MD,
			RU,	ТJ,	TM													
		RW:	GH,	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZW,	AT,	BE,	CH,	CY,
			DE,	DK,	ES,	FI,	FR,	GB,	GR,	IE,	IT,	LU,	MC,	NL,	PT,	SE,	BF,	ВJ,
			CF,	CG,	CI,	CM,	GA,	GN,	GW,	ML,	MR,	NE,	SN,	TD,	TG	•	-	-
	WO	2000	0644	41	A	2	2000	1102		W	20	00-S	E819		2000	0428		
	WO	2000	0644	41	A	3	2001	0614										
		W:	AE,	AG,	AL,	AM,	AT,	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BY,	CA,	CH,	CN,
			•	•	•	,	DE,	•		•		•						
			•	•	•		HR,											
			-		-		LS,											
			•	•	•	•	RU,			•		•					•	
			•	•	•		UΖ,			•			•					
			TJ,		•		•	•				•		·	•	•	•	•
		RW:	GH,	GM,	KE,	LS,	MW,	SD,	SL,	SZ,	TZ,	UG,	ZW,	AT,	BE,	CH,	CY,	DE,
			•	•	•		GB,	•	•	•	•	•	•				•	
			•		•		GN,	•	•	-					•	•	•	•
	ΔU	2000	•		A	-	2001	•				00-5:			2000	0615		
	EP	1185	263	_	A	2	2002	0313		E	P 20	00-9	4453	4	2000	0615		
				BE.			DK,		FR.					_			MC.	PT.
							FI,		/	,	/	1		,	,	. ,	. ,	- ,
	JP	2003	•		T:		2003			J	P 20	01-5	0283	3	2000	0615		

```
ANSWER 4 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN
L2
     134296-40-5 REGISTRY
RN
     1H-Benzimidazole-1-carboxamide, 2,3-dihydro-N-[(3-endo)-8-methyl-8-
CN
     azabicyclo[3.2.1]oct-3-yl]-3-(1-methylethyl)-2-oxo-, monohydrochloride
     (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
     1H-Benzimidazole-1-carboxamide, 2,3-dihydro-N-(8-methyl-8-
     azabicyclo[3.2.1]oct-3-yl)-3-(1-methylethyl)-2-oxo-, monohydrochloride,
     endo-
OTHER NAMES:
     BIMU 8
CN
FS
     STEREOSEARCH
MF
     C19 H26 N4 O2 . Cl H
SR
                 ADISNEWS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, EMBASE,
LC
     STN Files:
       MEDLINE, PROMT, PROUSDDR, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
      CAplus document type: Journal; Patent
       Roles from patents: BIOL (Biological study); PREP (Preparation); PROC
RL.P
```

(Process); USES (Uses)
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation);

PROC (Process); PRP (Properties); USES (Uses)

CRN (433227-46-4)

Relative stereochemistry.

● HCl

- 51 REFERENCES IN FILE CA (1907 TO DATE)
- 51 REFERENCES IN FILE CAPLUS (1907 TO DATE)

	PATENT	NO.	KIND	DATE		A.	PPLI	CATI	и ис	o., :	DATE			
						-								
$_{\mathtt{PI}}$	WO 2004	062624	A2	20040729		W	0 20	04 - U	S200	4000	8092	0040	113	
	W:	AE, AE,	AG, AL	, AL, AM,	AM,	AM,	AT,	AT,	AU,	AU,	ΑZ,	ΑZ,	BA,	BB,
		BG, BG,	BR, BR	, BW, BY,	BY,	ΒZ,	BZ,	CA,	CH,	CN,	CN,	CO,	CO,	CR,
		CR, CU,	CU, CZ	, CZ, DE,	DE,	DK,	DK,	DM,	DZ,	EC,	EC,	EE,	EE,	EG,
		ES, ES,	FI, FI	, GB, GD,	GE,	GE,	GH,	GH,	GH,	GM,	HR,	HR,	HU,	ΗU,
		ID, IL,	IN, IS	, JP, JP,	KE,	KE,	KG,	KG,	ΚP,	ΚP,	ΚP,	KR,	KR,	ΚZ,
. 8		KZ, KZ,	LC, LK	, LR, LS,	LS,	LT,	LU,	LV,	MA,	MD,	MD,	MG,	MK,	MN,
		MW, MX,	MX, MZ											
	US 2004	147510	A1	20040729		U	S 20	04-7	5798	1 :	2004	0113		

```
REFERENCE 2
                                 APPLICATION NO. DATE
    PATENT NO.
                KIND DATE
    ______
                                  ______
                      20040729 WO 2004-US200400080720040113
    WO 2004062623 A2
PΤ
       W: AE, AE, AG, AL, AL, AM, AM, AM, AT, AT, AU, AU, AZ, AZ, BA, BB,
          BG, BG, BR, BR, BW, BY, BY, BZ, BZ, CA, CH, CN, CN, CO, CO, CR,
          CR, CU, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EC, EE, EE, EG,
          ES, ES, FI, FI, GB, GD, GE, GE, GH, GH, GH, GM, HR, HR, HU, HU,
          ID, IL, IN, IS, JP, JP, KE, KE, KG, KG, KP, KP, KP, KR, KR, KZ,
          KZ, KZ, LC, LK, LR, LS, LS, LT, LU, LV, MA, MD, MD, MG, MK, MN,
          MW, MX, MX, MZ
                 A1
                      20040729
                                 US 2004-757364
                                                 20040113
    US 2004147509
REFERENCE 3
                KIND DATE
                                  APPLICATION NO. DATE
    PATENT NO.
    -----
                                  _____
    US 2004092511
                      20040513
                                  US 2003-702688 20031106
                 A1
REFERENCE 4
                KIND DATE
                                 APPLICATION NO. DATE
    PATENT NO.
    ______
                                  -----
    FR 2845604 A1
                      20040416
                                 FR 2002-12614
                                                 20021010
                                  WO 2003-FR3002
                 A2
                      20040422
                                                 20031010
    WO 2004033498
```

ΡI WO 2004033498 A3 20040722 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ,

GW, ML, MR, NE, SN, TD, TG

REFERENCE 5

REFERENCE

REFERENCE 7

```
KIND DATE
                               APPLICATION NO. DATE
PATENT NO.
_____
                                 _____
              ----
WO 2002038142 A2 20020516
                                WO 2001-US43016 20011108
WO 2002038142
              A3 20030814
      AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
       CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
       HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
       LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
       SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
```

```
YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
        RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
            DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
            BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
                                      AU 2002-30423
                                                         20011108
                     A5
                          20020521
     AU 2002030423
                                        US 2001-986469
                                                         20011108
                          20021121
     US 2002173511
                      Α1
                                        US 2001-986470
                                                         20011108
                          20021121
     US 2002173549
                     Α1
REFERENCE 9
                                        APPLICATION NO. DATE
                    KIND DATE
     PATENT NO.
     _____
                                        ______
                    A1
                          20020510
                                       WO 2001-SE2372 20011030
    WO 2002036113
PI
        W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,
            CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, EE, ES,
            FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,
            KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
            MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL,
            TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY,
            KG, KZ, MD, RU
        RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
            DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
            BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
                    A5
                                       AU 2002-12888
    AU 2002012888
                         20020515
REFERENCE 10
    PATENT NO.
                   KIND DATE
                                    APPLICATION NO. DATE
                   ----
     _____
                                        ------
                                      WO 2000-SE2612 20001220
                    A1 20011220
    WO 2001095902
ΡI
        W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
            CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
            HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
            LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL
        RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
            DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
            BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
                                                        20011015
                     A1
                         20030416
                                       EP 2001-610108
     EP 1302204
        R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     ANSWER 5 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN
L2
     127595-43-1 REGISTRY
RN
     1H-Benzimidazole-1-carboxamide, 3-ethyl-2,3-dihydro-N-[(3-endo)-8-methyl-8-
CN
     azabicyclo[3.2.1]oct-3-yl]-2-oxo-, monohydrochloride (9CI) (CA INDEX
OTHER CA INDEX NAMES:
     1H-Benzimidazole-1-carboxamide, 3-ethyl-2,3-dihydro-N-(8-methyl-8-
     azabicyclo[3.2.1]oct-3-yl)-2-oxo-, monohydrochloride, endo-
OTHER NAMES:
CN
     BIMU 1
FS
     STEREOSEARCH
MF
     C18 H24 N4 O2 . Cl H
SR
                 ADISNEWS, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CANCERLIT,
LC
     STN Files:
      CAPLUS, CASREACT, EMBASE, IMSDRUGNEWS, IMSRESEARCH, MEDLINE, PHAR,
      PROMT, PROUSDDR, SYNTHLINE, TOXCENTER, USPATFULL
         (*File contains numerically searchable property data)
      CAplus document type: Journal; Patent
DT.CA
      Roles from patents: BIOL (Biological study); PREP (Preparation); USES
RL.P
```

(Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses)

CRN (127595-41-9)

Relative stereochemistry.

● HCl

42 REFERENCES IN FILE CA (1907 TO DATE)

42 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	US 2004092511	A1	20040513	US 2003-702688	20031106

REFERENCE 2

REFERENCE 3

REFERENCE 4

	PAT	rent 1	NO.		KI	ND :	DATE			A.	PPLI	CATI	ои ис	o. :	DATE			
ΡΙ	WO	2002	0361	13	 A	1 .	2002	0510		M	20	01-S	 E237:	2 :	2001	1030		
		W:	ΑE,	AG,	AL,	AM,	AT,	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BY,	ΒZ,	CA,	CH,
			CN,	CO,	CR,	CU,	CZ,	CZ,	DE,	DE,	DK,	DK,	DM,	DZ,	EC,	EE,	EE,	ES,
			FI,	FI,	GB,	GD,	GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,
			KP,	KR,	KZ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,
			MX,	MZ,	NO,	NZ,	PH,	PL,	PT,	RO,	RU,	SD,	SE,	SG,	SI,	SK,	SK,	SL,
			ТJ,	TM,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VN,	YU,	ZA,	ZW,	AM,	AZ,	BY,
			KG,	KZ,	MD,	RU												
		RW:	GH,	GM,	KΕ,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZW,	AT,	BE,	CH,	CY,
			DE,	DK,	ES,	FI,	FR,	GB,	GR,	ΙE,	ΙT,	LU,	MC,	NL,	PT,	SE,	TR,	BF,
			ВJ,	CF,	CG,	CI,	CM,	GΑ,	GN,	GQ,	GW,	ML,	MR,	NE,	SN,	TD,	TG	
	ΑU	2002	0128	88	A.	5	2002	0515		Al	J 20	02-1	2888		2001	1030		

```
APPLICATION NO. DATE
    PATENT NO.
                   KIND DATE
                         _____
                                       _____
     _____
                         20020510
                                     WO 2001-SE2373 20011030
                    A1
    WO 2002036114
PI
        W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,
            CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, EE, ES,
            FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,
            KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
            MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL,
            TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY,
            KG, KZ, MD, RU
        RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
            DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
            BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
                   A5 20020515 AU 2002-11176 20011030
    AU 2002011176
REFERENCE 6
                   KIND DATE
                                     APPLICATION NO. DATE
    PATENT NO.
    _____
                                       ______
    WO 2001095903 A1 20011220 WO 2000-SE2613 20001220
PΙ
        W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
            CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
            HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
            LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL
        RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
            DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
            BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
               A1 20030416 EP 2001-610108 20011015
    EP 1302204
           AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
REFERENCE 7
                                APPLICATION NO. DATE
    PATENT NO.
                  KIND DATE
                                       -----
    WO 2001095902 A1 20011220 WO 2000-SE2612 20001220
PΙ
        W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
            CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
            HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
            LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL
        RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
            DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
            BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
                    A1 20030416
                                     EP 2001-610108 20011015
    EP 1302204
           AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
REFERENCE 8
    PATENT NO.
                  KIND DATE
                                     APPLICATION NO. DATE
    _____
                                       ______
    WO 2001045685 A2 20010628
WO 2001045685 A3 20020228
                                     WO 2000-GB4902 20001219
PΙ
           AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
            CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
            HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
            LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
            SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
            YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
        RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
```

```
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
       BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
                                   EP 2000-985643 20001219
                 A2
                    20020918
EP 1239882
       AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
       IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
                                JP 2001-546424
JP 2003518043
                      20030603
                 T2
                                                      20001219
                      20030123
                                     US 2002-168190
US 2003018008
                 A1
                                                      20020618
```

REFERENCE 9

REFERENCE 10

```
KIND DATE
                                          APPLICATION NO. DATE
     PATENT NO.
     ______
                     ----
                           _____
                                          WO 2000-SE1267
     WO 2000076500
                      A2
                           20001221
                                                            20000615
PΙ
     WO 2000076500
                      A3
                           20010712
         W:
            AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN,
             CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EE, EE, ES, FI, FI, GB,
             GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR,
             KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
            NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR,
             TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD,
            RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
            DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
             CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     WO 2000064441
                      A2
                           20001102
                                          WO 2000-SE819
     WO 2000064441
                      А3
                           20010614
            AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN,
            CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EE, EE, ES, FI, FI, GB,
            GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR,
            KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO,
            NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT,
            TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU,
            TJ, TM
        RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
            DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
            CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
    AU 2000058619
                      A5
                           20010102
                                         AU 2000-58619
                                                            20000615
    EP 1185263
                      Α2
                           20020313
                                          EP 2000-944534
                                                            20000615
            AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO
                      T2
    JP 2003501462
                           20030114
                                          JP 2001-502833
                                                            20000615
```

- L2ANSWER 6 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN
- RN 112885-41-3 REGISTRY
- CNBenzamide, 4-amino-5-chloro-2-ethoxy-N-[[4-[(4-fluorophenyl)methyl]-2morpholinyl]methyl]- (9CI) (CA INDEX NAME)

OTHER NAMES:

- CNMosapride
- 3D CONCORD FS
- 144256-27-9 DR
- MF C21 H25 Cl F N3 O3
- CI COM
- SR CA
- LC ADISINSIGHT, ADISNEWS, ANABSTR, BEILSTEIN*, BIOBUSINESS, STN Files: BIOSIS, CA, CAPLUS, CASREACT, CBNB, CHEMINFORMRX, CIN, DDFU, DRUGU, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MRCK*, PHAR, PROMT, PROUSDDR, RTECS*, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL

10/009,559

(*File contains numerically searchable property data)
Other Sources: WHO

DT.CA Caplus document type: Book; Conference; Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study)

$$\begin{array}{c|c} C1 & & \\ & C-NH-CH_2 & \\ & OEt \end{array}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

62 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

62 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	US 2004092511	A1	20040513	US 2003-702688	20031106

REFERENCE 2

REFERENCE 3

REFERENCE 4

REFERENCE 5

REFERENCE 6

REFERENCE 7

	PA	ΓENT	NO.		KI	ND	DATE			A	PLI	CATI	ON NO	ο.	DATE			
PΙ	WO	2003	1064	40	A	2	2003	1224		WC	20	03-H	U42		2003	0612		
	WO	2003	1064	40	A	3	2004	0617										
		W:	ΑE,	AG,	AL,	AM,	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BY,	ΒZ,	CA,	CH,	CN,

```
10/009,559
```

```
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
```

REFERENCE 9

REFERENCE 10

- L2 ANSWER 7 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN
- RN 109872-41-5 REGISTRY
- CN Benzamide, 4-amino-N-(1R,4S,5R)-1-azabicyclo[3.3.1]non-4-yl-5-chloro-2-methoxy-, monohydrochloride, rel- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
- CN 1-Azabicyclo[3.3.1] nonane, benzamide deriv.
- CN Benzamide, $4-amino-N-1-azabicyclo[3.3.1]non-4-yl-5-chloro-2-methoxy-, monohydrochloride, endo-<math>(\pm)$ -

OTHER NAMES:

- CN Benzamide, 4-amino-N-1-azabicyclo[3.3.1]non-4-yl-5-chloro-2-methoxy-, monohydrochloride, endo-
- CN BRL 24924
- FS STEREOSEARCH
- MF C16 H22 Cl N3 O2 . Cl H
- CI COM
- SR CA
- LC STN Files: ADISINSIGHT, BIOBUSINESS, BIOSIS, BIOTECHNO, ÇA, CANCERLIT, CAPLUS, EMBASE, IPA, MEDLINE, PHAR, PROMT, TOXCENTER, USPATFULL
- DT.CA CAplus document type: Conference; Journal; Patent
- RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
- RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PRP (Properties)
 CRN (112727-80-7)

Relative stereochemistry.

● HCl

43 REFERENCES IN FILE CA (1907 TO DATE)
43 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

	PATENT	NO.		KI	ND :	DATE			A.	PPLI	CATI	ON NO	ο.	DATE			
		- -							-		-						
ΡI	WO 200	20361	13	Α	1	2002	0510		W	200	01-S	E237	2	2001	1030		
	W:	AE,	AG,	AL,	AM,	AT,	AT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	ΒZ,	CA,	CH,
		CN,	CO,	CR,	CU,	CZ,	CZ,	DE,	DE,	DK,	DK,	DM,	DZ,	EC,	EE,	EE,	ES,
			FI,														
		KΡ,	KR,	KZ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,
			ΜZ,														
		ТJ,	TM,	TR,	TT,	TZ,	UA,	UG,	US,	UΖ,	VN,	YU,	ZA,	ZW,	AM,	ΑZ,	BY,
			KZ,														
	RV	V: GH,															
			DK,														BF,
		ВJ,	CF,													TG	
	AU 200	20128	88	A	5	2002	0515		A	U 20	02-1	2888		2001	1030		

REFERENCE 2

	PAT	ENT 1	NO.		KII	ND I	DATE			A	PPLI	CATI	ои ис	o. :	DATE			
		-								-	-		-					
ΡI	WO	20020	0361	14	A:	1 :	2002	0510		W	200	01-S	E237	3	2001	1030		
																	CA,	CH,
			CN,	CO,	CR,	CU,	CZ,	CZ,	DE,	DE,	DK,	DK,	DM,	DZ,	EC,	EE,	EE,	ES,
																	KE,	
			KΡ,	KR,	KZ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,
			MX,	MZ,	NO,	NZ,	PH,	PL,	PT,	RO,	RU,	SD,	SE,	SG,	SI,	SK,	SK,	SL,
			ΤJ,	TM,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VN,	YU,	ZA,	ZW,	AM,	ΑZ,	BY,
			KG,	KZ,	MD,	RU												
		RW:	GH,	GM,	ΚE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZW,	ΑT,	BE,	CH,	CY,
			DE,	DK,	ES,	FI,	FR,	GB,	GR,	ΙE,	IT,	LU,	MC,	NL,	PT,	SE,	TR,	BF,
			ВJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,	NE,	SN,	TD,	\mathbf{TG}	
	AU	20020	0111	76	A.	5 :	2002	0515		A	U 20	02-1	1176		2001	1030		

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

```
WO 2000-SE2613
                                                           20001220
                           20011220
    WO 2001095903
                      A1
PΙ
            AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
             HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
             LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
                     A1 20030416 EP 2001-610108 20011015
     EP 1302204
        R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
```

REFERENCE 4

10/009,559

	PATENT	NO.		KI	ND :	DATE			A)	PPLI	CATI	N NC	O. 1	DATE			
											-						
ΡI	WO 2001	.0959	02	A	1 :	2001	1220		W	20	00-S	E261	2 :	2000	1220		
	W:	ΑE,	AG,	AL,	AM,	AT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	ΒZ,	CA,	CH,	CN,
		CR,	CU,	CZ,	DE,	DK,	DM,	DΖ,	EE,	ES,	FI,	GB,	GD,	GE,	GH,	GM,	HR,
		HU,	ID,	ΙL,	IN,	IS,	JP,	KE,	KG,	KΡ,	KR,	ΚZ,	LC,	LK,	LR,	LS,	LT,
		LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NO,	NZ,	$_{ m PL}$			
	RW:	GH,	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZW,	AT,	BE,	CH,	CY,
		DE,	DK,	ES,	FI,	FR,	GB,	GR,	ΙE,	IT,	LU,	MC,	NL,	PT,	SE,	TR,	BF,
		ВJ,	CF,	CG,	CI,	CM,	GA,	GN,	GW,	ML,	MR,	NE,	SN,	TD,	TG		
	EP 1302	204		A	1	2003	0416		E	P 20	01-6	1010	8 :	2001	1015		
	R:	ΑT,	ΒE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
		ΙE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	AL,	TR						

REFERENCE 5

```
PATENT NO.
                     KIND DATE
                                         APPLICATION NO. DATE
                                          _____
     _____
                     ----
                           _____
                           20001221
                                          WO 2000-SE1267
                                                           20000615
    WO 2000076500
                     A2
PΙ
                           20010712
    WO 2000076500
                     A3
        W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN,
            CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EE, EE, ES, FI, FI, GB,
            GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR,
            KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
            NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR,
            TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD,
            RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
            DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
            CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
                                        WO 2000-SE819
                     A2
                           20001102
     WO 2000064441
                      A3
                           20010614
    WO 2000064441
            AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN,
            CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EE, EE, ES, FI, FI, GB,
            GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR,
            KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO,
            NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT,
            TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU,
            TJ, TM
         RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
            DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
            CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
                                        AU 2000-58619
                                                           20000615
                    A5 20010102
    AU 2000058619
```

```
EP 2000-944534
                                                          20000615
                           20020313
     EP 1185263
                      A2
        R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO
                                          JP 2001-502833
                                                          20000615
                         20030114
     JP 2003501462
                     T2
REFERENCE 7
                   KIND DATE
                                         APPLICATION NO. DATE
     PATENT NO.
                          -----
     _____ ----
     WO 2000064441
                                         WO 2000-SE819
                                                          20000428
                     A2
                           20001102
PΙ
                           20010614
                     A3
     WO 2000064441
        W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN,
            CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EE, EE, ES, FI, FI, GB,
            GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR,
            KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO,
            NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT,
            TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU,
            TJ, TM
        RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
            DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
            CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
                    A2 20020123 EP 2000-937417
     EP 1173168
        R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO
                                         JP 2000-613432
                                                          20000428
     JP 2002542287
                    T2 20021210
                                         WO 2000-SE1267
     WO 2000076500
                      A2
                           20001221
     WO 2000076500
                     A3
                           20010712
        W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN,
            CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EE, EE, ES, FI, FI, GB,
            GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR,
            KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
            NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR,
            TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD,
            RU, TJ, TM
        RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
            DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
            CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
                                     AU 2000-58619
     AU 2000058619
                    A5
                          20010102
                                                          20000615
                                        EP 2000-944534
                     A2
                           20020313
                                                          20000615
            AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO
     JP 2003501462
                  T2
                           20030114
                                         JP 2001-502833
                                                          20000615
     US 2002173505
                     A1
                           20021121
                                         US 2001-984329
                                                          20011029
REFERENCE 8
REFERENCE 9
REFERENCE 10
    ANSWER 8 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN
L2
RN
     90182-92-6 REGISTRY
    Benzamide, 4-amino-N-1-azabicyclo[2.2.2]oct-3-yl-5-chloro-2-methoxy- (9CI)
     (CA INDEX NAME)
OTHER NAMES:
CN
    (±)-Zacopride
     (RS) -Zacopride
CN
```

CN Racemic zacopride

CN Zacopride

FS 3D CONCORD

DR 131104-11-5

MF C15 H20 Cl N3 O2

CI COM

LC STN Files: ADISINSIGHT, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CEN, DDFU, DRUGU, EMBASE, IMSDRUGNEWS, IMSRESEARCH, IPA, MEDLINE, PHAR, PROMT, PROUSDDR, TOXCENTER, USAN, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: WHO

DT.CA Caplus document type: Conference; Journal; Patent; Report

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RLD.NP Roles for non-specific derivatives from non-patents: PROC (Process)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

178 REFERENCES IN FILE CA (1907 TO DATE)

6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

179 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

	PATENT	NO.		KI	ND	DATE			A	PPLI	CATI	ON NO	o. :	DATE			
									-								
ΡI	WO 2004	10626	24	A.	2	2004	0729		W	20	04 - U	S200	4000	8092	0040	113	
	W:	ΑE,	ΑE,	AG,	AL,	AL,	AM,	AM,	AM,	ΑT,	AT,	ΑU,	AU,	AZ,	ΑZ,	BA,	BB,
		BG,	BG,	BR,	BR,	BW,	BY,	BY,	ΒZ,	ΒZ,	CA,	CH,	CN,	CN,	CO,	CO,	CR,
		CR,	CU,	CU,	CZ,	CZ,	DE,	DE,	DK,	DK,	DM,	DZ,	EC,	EC,	EE,	EE,	EG,
		ES,	ES,	FI,	FI,	GB,	GD,	GE,	GE,	GH,	GH,	GH,	GM,	HR,	HR,	HU,	HU,
		ID,	IL,	IN,	IS,	JP,	JP,	KE,	KΕ,	KG,	KG,	ΚP,	ΚP,	KP,	KR,	KR,	ΚZ,
		KΖ,	KZ,	LC,	LK,	LR,	LS,	LS,	LT,	LU,	LV,	MA,	MD,	MD,	MG,	MK,	MN,
		MW,	MX,	MX,	ΜZ												
	US 2004	11475	10	A	1	2004	0729		U	S 20	04-7	5798	1 :	2004	0113		

	PATENT NO.	KIND	DATE	APPLICATION NO. DATE	
PI	WO 2004062623	A2	20040729	WO 2004-US2004000807200401	13

```
W: AE, AE, AG, AL, AL, AM, AM, AM, AT, AT, AU, AU, AZ, AZ, BA, BB,
       BG, BG, BR, BR, BW, BY, BY, BZ, BZ, CA, CH, CN, CN, CO, CO, CR,
       CR, CU, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EC, EE, EE, EG,
       ES, ES, FI, FI, GB, GD, GE, GE, GH, GH, GH, GM, HR, HR, HU, HU,
       ID, IL, IN, IS, JP, JP, KE, KE, KG, KG, KP, KP, KP, KR, KR, KZ,
       KZ, KZ, LC, LK, LR, LS, LS, LT, LU, LV, MA, MD, MD, MG, MK, MN,
       MW, MX, MX, MZ
                      20040729 US 2004-757364 20040113
US 2004147509 A1
```

REFERENCE 3

	PATENT NO.	KIND DATE		APPLICATION NO.	DATE		
ΡI	US 2004092511	A1	20040513	US 2003-702688	20031106		

REFERENCE 4

REFERENCE 5

REFERENCE 6

REFERENCE 7

REFERENCE 8

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	US 2002161016	A1	20021031	US 2001-996407	20011121
	US 6495154	B1	20021217	US 2000-721412	20001121

REFERENCE 9

REFERENCE 10

	PAT	rent 1	NO.		KII	ND	DATE			A.	PPLI	CATI	ои ис	o. :	DATE			
										-								
ΡI	WO	2002	0418	83	A2	2	2002	0530		W	20	01-U	S440	65	2001	1121		
	WO	2002	0418	83	A:	3	2003	1218										
		W :	ΑE,	AG,	ΑL,	AM,	ΑT,	AU,	AZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,
			CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GE,	GH,
			GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	KZ,	LC,	LK,	LR,
							MA,											
							SD,											
			UG,	UZ,	VN,	YU,	ZA,	ZM,	ZW,	AM,	ΑZ,	BY,	KG,	KZ,	MD,	RU,	ТJ,	TM
		RW:					MW,											
							FI,											
			BF,	ВJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,	ΝĖ,	SN,	TD,	TG
	US	6495	154		B	L	2002	1217		US	5 20	00-72	2141:	2	2000	1121		
	ΑU	2002	02864	13	A!	5	20020	0603		ΑŪ	J 20	02-28	3643	:	2001	1121		
	ΕP	1389																
		R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	ΝL,	SE,	MC,	PT,
			ΙE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	AL,	TR						

L2ANSWER 9 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN 608-07-1 REGISTRY

10/009,559

Thomas McKenzie

1H-Indole-3-ethanamine, 5-methoxy- (9CI) (CA INDEX NAME) OTHER CA INDEX NAMES: Indole, 3-(2-aminoethyl)-5-methoxy- (6CI, 8CI) OTHER NAMES: 2-(5-Methoxyindol-3-yl)ethylamine CN3-(2-Aminoethyl)-5-methoxyindole CN 5-Methoxytryptamine CNCN5MOT CNDeacetylmelatonin CN Methoxytryptamine CN NSC 56422 [2-(5-Methoxy-1H-indol-3-yl)ethyl]amine CN 3D CONCORD FS C11 H14 N2 O MF CI COM LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, DDFU, DRUGU, EMBASE, HODOC*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, NAPRALERT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL (*File contains numerically searchable property data) Other Sources: EINECS** (**Enter CHEMLIST File for up-to-date regulatory information) CAplus document type: Conference; Dissertation; Journal; Patent; Report RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses); NORL (No role in record) Roles for non-specific derivatives from patents: BIOL (Biological RLD.P study); PREP (Preparation); USES (Uses) Roles from non-patents: ANST (Analytical study); BIOL (Biological RL.NP study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record) RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

$$\begin{array}{c} \text{MeO} \\ \\ \text{CH}_2\text{--}\text{CH}_2\text{--}\text{NH}_2 \\ \end{array}$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1348 REFERENCES IN FILE CA (1907 TO DATE)
12 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1348 REFERENCES IN FILE CAPLUS (1907 TO DATE)
58 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	US 2004138222	A 1	20040715	US 2003-659238	20030910

REFERENCE 2

	PATENT	NO.		KI	ND :	DATE			A	PPLI	CATI	ON N	Ο.	DATE			
													- -				
ΡI	WO 2004	0582	59	Α	1	2004	0715		W	0 20	03-G	B565	6	2003	1224		
	W:	ΑE,	AG,	AL,	AM,	ΑT,	AU,	ΑZ,	BA,	BB,	ВG,	BR,	BW,	BY,	ΒZ,	CA,	CH,
		CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,
		GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	ΚP,	KR,	KΖ,	LC,
		LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NI,	NO,
		NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SY,	TJ,
		TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US,	UΖ,	VC,	VN,	YU,	ZA,	ZM,	ZW,	AM,
		ΑZ,	BY,	KG,	ΚZ												
	RW:	BW,	GH,	GM,	ΚE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	ΑT,	BE,
		BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,	FI,	FR,	GB,	GR,	HU,	ΙE,	IT,	LU,
		MC,	NL,	PT,	RO,	SE,	SI,	SK,	TR,	BF,	ВJ,	CF,	CG,	CI,	CM,	GA,	GN,
		GQ,	GW,	ML,	MR,	NE,	SN,	TD,	TG								

REFERENCE 3

REFERENCE 4

REFERENCE 5

	PATENT NO.	KIND DATE		APPLICATION NO.	DATE		
PΙ	JP 2004196683	A2	20040715	JP 2002-364790	20021217		

REFERENCE 6

REFERENCE 7

REFERENCE 8

REFERENCE 9

REFERENCE 10

=>

---Logging off of STN---

Executing the logoff script...

=> LOG Y

STN INTERNATIONAL LOGOFF AT 18:07:34 ON 23 AUG 2004

10/2000

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1611txm

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

```
Welcome to STN International
                 Web Page URLs for STN Seminar Schedule - N. America
NEWS
NEWS
                 "Ask CAS" for self-help around the clock
NEWS
     3 May 12
                 EXTEND option available in structure searching
NEWS
     4 May 12
                 Polymer links for the POLYLINK command completed in REGISTRY
NEWS
         May 27
                 New UPM (Update Code Maximum) field for more efficient patent
                 SDIs in CAplus
NEWS
         May 27
                 CAplus super roles and document types searchable in REGISTRY
NEWS
         Jun 28
                 Additional enzyme-catalyzed reactions added to CASREACT
NEWS
        Jun 28
                 ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG,
                 and WATER from CSA now available on STN(R)
NEWS
         Jul 12
                 BEILSTEIN enhanced with new display and select options,
                 resulting in a closer connection to BABS
NEWS 10
         Jul 30
                 BEILSTEIN on STN workshop to be held August 24 in conjunction
                 with the 228th ACS National Meeting
NEWS 11
         AUG 02
                 IFIPAT/IFIUDB/IFICDB reloaded with new search and display
                 fields
NEWS 12
         AUG 02
                 CAplus and CA patent records enhanced with European and Japan
                 Patent Office Classifications
NEWS 13
         AUG 02
                 STN User Update to be held August 22 in conjunction with the
                 228th ACS National Meeting
                 The Analysis Edition of STN Express with Discover!
NEWS 14
         AUG 02
                 (Version 7.01 for Windows) now available
         AUG 04
                 Pricing for the Save Answers for SciFinder Wizard within
                 STN Express with Discover! will change September 1, 2004
NEWS EXPRESS
              JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT
              MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
              AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS
              STN Operating Hours Plus Help Desk Availability
NEWS INTER
              General Internet Information
NEWS LOGIN
              Welcome Banner and News Items
NEWS PHONE
              Direct Dial and Telecommunication Network Access to STN
NEWS WWW
              CAS World Wide Web Site (general information)
```

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 16:56:50 ON 23 AUG 2004

=> file reg FILE 'REGISTRY' ENTERED AT 16:57:28 ON 23 AUG 2004 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2004 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 22 AUG 2004 HIGHEST RN 730937-52-7 DICTIONARY FILE UPDATES: 22 AUG 2004 HIGHEST RN 730937-52-7

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at: http://www.cas.org/ONLINE/DBSS/registryss.html

=> s (RN67333 OR RN (L) 67333/cn)

0 RN67333

2059 RN

0 67333/CN

0 RN (L) 67333/CN

L1 0 (RN67333 OR RN (L) 67333/CN)

=> s 160845-95-4/rn

L2 1 160845-95-4/RN

=> d sam cbib pi

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

IN 1-Propanone, 1-(4-amino-5-chloro-2-methoxyphenyl)-3-(1-butyl-4piperidinyl)- (9CI)

MF C19 H29 Cl N2 O2

CI COM

$$\begin{array}{c|c} & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & &$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

REFERENCE 1: 136:363866 Serotonergic compositions and methods for treatment of mild cognitive impairment. Wurtman, Richard J.; Lee, Robert K. K.

```
(Massachusetts Institute of Technology, USA). PCT Int. Appl. WO
     2002038142 A2 20020516, 34 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT,
     AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ,
     EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP,
     KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO,
     NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE,
     BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English). CODEN:
     PIXXD2. APPLICATION: WO 2001-US43016 20011108. PRIORITY: US
     2000-PV246615 20001108.
                                           APPLICATION NO. DATE
                      KIND DATE
     PATENT NO.
                                           _____
                      _ _ _ _
                                            WO 2001-US43016 20011108
     WO 2002038142
                       A2
                            20020516
ΡI
                       Α3
                            20030814
     WO 2002038142
         W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
             HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
             LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
             SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
             YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
                            20020521
                                          AU 2002-30423
                                                             20011108
     AU 2002030423
                      A5
                            20021121
                                            US 2001-986469
                                                             20011108
     US 2002173511
                       A1
                                            US 2001-986470
                            20021121
                                                             20011108
     US 2002173549
                       Α1
REFERENCE 2: 123:143641 Preparation of 1-(4-aminophenyl)-ω-amino-1-
     alkanones as 5-HT4 receptor ligands. Clark, Robin D.; Eglen, Richard;
     Jahangir, Alam; Miller, Aaron B.; Gardner, John O. (Syntex (U.S.A.) Inc.,
     USA). PCT Int. Appl. WO 9427965 A1 19941208, 72 pp. DESIGNATED STATES:
     W: AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, HU, JP,
     KP, KR, KZ, LK, LU, LV, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE,
     SK, UA, UZ, VN; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR,
     GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG.
     (English). CODEN: PIXXD2. APPLICATION: WO 1994-US5718 19940525.
     PRIORITY: US 1993-67766 19930526; US 1994-228602 19940426.
     PATENT NO. KIND DATE APPLICATION NO. DATE
                     ----
                                            ______
                      A1 19941208
PΙ
     WO 9427965
                                           WO 1994-US5718 19940525
         W: AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, HU,
             JP, KP, KR, KZ, LK, LU, LV, MG, MN, MW, NL, NO, NZ, PL, PT, RO,
             RU, SD, SE, SK, UA, UZ, VN
         RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,
             BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG
                            19941208
                                           CA 1994-2163747 19940525
     CA 2163747
                       AA
    AU 9469548
                            19941220
                                            AU 1994-69548
                       Α1
                                                             19940525
                            19970717
    AU 680004
                       B2
    BR 9406724
                       Α
                            19960206
                                            BR 1994-6724
                                                             19940525
    EP 700383
                            19960313
                                            EP 1994-918070
                       Α1
                                                             19940525
    EP 700383
                       В1
                            19980923
         R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE
    CN 1124485
                      А
                            19960612
                                            CN 1994-192219
                                                             19940525
    CN 1058262
                       В
                            20001108
    JP 08510743
                       T2
                            19961112
                                            JP 1994-500836
                                                             19940525
    HU 74870
                       A2
                            19970228
                                            HU 1995-3357
                                                             19940525
    IL 109776
                       A1
                            19980310
                                            IL 1994-109776
                                                             19940525
    AT 171446
                       E
                            19981015
                                           AT 1994-918070
                                                             19940525
    ES 2121210
                       Т3
                            19981116
                                           ES 1994-918070
                                                             19940525
```

10/337,495

$_{ m PL}$	180336	B1	20010131	PL	1994-311723	19940525
RU	2170228	C2	20010710	RU	1995-122587	19940525
CZ	289752	В6	20020313	CZ	1995-2780	19940525
US	5763458	Α	19980609	US	1995-456168	19950531
FI	9505660	A	19951124	FI	1995-5660	19951124
NO	9504761	Α	19960126	NO	1995-4761	19951124

- REFERENCE 3: 122:160435 Synthesis and preliminary pharmacological evaluation of 2-benzyloxy-substituted aryl ketones as 5-HT4 receptor antagonists. Clark, R. D.; Jahangir, A.; Langston, J. A.; Weinhardt, K. K.; Miller, A. B.; Leung, E.; Bonhaus, D. W.; Wong, E. H. F.; Eglen, R. M. (Inst. Org. Chem., Analytical Res. Pharmacology, Palo Alto, CA, 94304, USA). Bioorganic & Medicinal Chemistry Letters, 4(20), 2481-4 (English) 1994. CODEN: BMCLE8. ISSN: 0960-894X. Publisher: Elsevier.
- REFERENCE 4: 122:122489 Ketones related to the benzoate 5-HT4 receptor antagonist RS-23597 are high affinity partial agonists. Clark, R. D.; Jahangir, A.; Langston, J. A.; Weinhardt, K. K.; Miller, A. B.; Leung, E.; Eglen, R. M. (Inst. Org. Chem., Analytical Res. Pharmacology, Palo Alto, CA, 94304, USA). Bioorganic & Medicinal Chemistry Letters, 4(20), 2477-80 (English) 1994. CODEN: BMCLE8. ISSN: 0960-894X. Publisher: Elsevier.

=> logoff.

LOGOFF. IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

For a list of commands available to you in the current file, enter

"HELP COMMANDS" at an arrow prompt (=>).

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF LOGOFF? (Y)/N/HOLD:.

STN INTERNATIONAL LOGOFF AT 16:59:30 ON 23 AUG 2004